Jerry Gu

biomedical | illustrator designer

tel 647.895.1995
web www.jerrygu.com
eml jerryg91@gmail.com

Experience

2018 **Teaching assistant**, Biocommunication Visualization (HSC302), Department of Biology, University of Toronto Mississauga
Promoted active student interaction and feedback in lab sessions; designed and held tutorials on special topics tailored to student interest; assisted with invigilation and grading.

2017 - 2018 **Design editor**, IMS Magazine, Institute of Medical Science, University of Toronto
Designed and created magazine cover illustration (2017 Fall issue); created custom article layouts and designs.

2017 **Visiting research fellow**, Audiovisual Program Development Branch, LHNCBC, NLM, National Institutes of Health (NIH)
Established additional workflows for the NLM3D project; contributed to the curation of 3D anatomical assets derived from the Visible Human datasets; disseminated the NLM3D project to various audiences internal and external to NIH.

2013 - 2016 **Graduate researcher**, Lab of Dr. Cordula Enenkel, Department of Biochemistry, University of Toronto
Visualized and isolated a novel intracellular structure in S. cerevisiae through a wide variety of biochemistry techniques.

2012 - 2013 **Undergraduate research assistant**, Lab of Dr. Jason Young, Department of Biochemistry, McGill University
Elucidated the functional behaviour of a molecular chaperone DNAJB6b in mammalian tissue culture through assaying.

2012 - 2013 **Co-president**, McGill Students' Visual Arts Society (formerly McGill Sketching Club), McGill University
Promoted club outreach and diversification; coordinated major events; co-chaired in club meetings.

Skills

Illustration Design	Adobe Photoshop Adobe Illustrator Adobe InDesign
3D Animation	MAXON Cinema4D Pixologic ZBrush Adobe After Effects UCSF Chimera 3DSlicer
Interactive UI / UX	Adobe Captivate Adobe XD Javascript HTML/CSS
Traditional	Graphite Pen & ink Watercolour Oil & acrylic
Methodology	Wireframing Rapid prototyping Functional programming Pedagogic design Research & development Storyboarding & animatics

Events & Achievements

2018 **Advancing Teaching and Learning in Arts & Science (ATLAS) grant**, University of Toronto
Awarded as funding towards design and development of BIOMINT: Enzyme Kinetics Tutorial, Master's Research Project.

2017 **Event speaker**, UNCON 2017, Biomedical Communications Alumni Association (BMCAA), Toronto ON.
A presentation on research experience in defining tissue colour & surface characteristics for the NLM3D anatomy collection (Nov. 18, 2017).

2017 **Award of Merit** (Student Instructional Surgical category), 72nd Annual AMI Meeting, Austin, TX.
Awarded to Resection of Parasagittal Meningioma with Preservation of Venous Lake.

2017 **Exhibitor**, Summer Poster Day, National Institutes of Health (NIH), Bethesda, MD.
A poster exhibit showcasing ongoing work by research interns at NIH (Aug. 10, 2017).

2013 **Distinction for BSc academic achievement**, McGill University

2012 **Bionano CTPB undergraduate research award**, McGill University
Funding award for research studying the role of molecular chaperones in neurodegenerative diseases.

Qualifications

2016 - Present **Master of Science in Biomedical Communications (MScBMC)**
Institute of Medical Science, University of Toronto

2013 - 2016 **Master of Science in Biochemistry (MSc)**
Department of Biochemistry, University of Toronto

2009 - 2013 **Bachelor of Science in Biochemistry with Distinction (BSc)**
Department of Biochemistry, McGill University

Publications

Gu, Z.C., Wu, E., Sailer, C., Jando, J., Styles, E., Eisenkolb, I., Kuschel, M., Bitschar, K., Wang, X., Huang, L., Vissa, A., Yip, C.M., Yedidi, R.S., Friesen, H., and C. Enenkel. "Ubiquitin Orchestrates Proteasome Dynamics between Proliferation and Quiescence in Yeast." Molecular Biology of the Cell 28, no. 19 (2017): 2479-491.

Gu, Z.C., and C. Enenkel. "Proteasome Assembly." Cellular and Molecular Life Sciences 71, no. 24 (2014): 4729-745.

References provided upon request